



U.S. Department
of Transportation
**Research and
Special Programs
Administration**

400 Seventh St., S.W.
Washington, D.C. 20590

**IAEA CERTIFICATE OF COMPETENT AUTHORITY
SPECIAL FORM RADIOACTIVE MATERIALS
CERTIFICATE NUMBER USA/0508/S, REVISION 1**

This certifies that the source described has been demonstrated to meet the regulatory requirements for special form radioactive material as prescribed in the regulations of the International Atomic Energy Agency¹ and the United States of America² for the transport of radioactive materials.

1. Source Identification - Isotope Products Laboratories (IPL) Model A3906.
2. Source Description - The source described by this certificate is a fusion welded, double encapsulation constructed of Type 316L stainless steel. The capsule has overall dimensions of 38.1 mm (1.5") long and consists of a hexagonal portion that tapers to a 6.35 mm (0.25") diameter cylindrical portion. The hexagonal portion measures 9.53 mm (0.375") across the flats and is 7.92 mm (0.312") long. Construction must be in accordance with IPL drawing no. 3906 (attached).
3. Radioactive Contents - This source consists of not more than 11.1 GBq (0.30 Ci) of Cs-137 in the form of CsCl in ceramic, sulfate in ceramic, aluminum pellets, gold pellets, or nitrate in ceramic.
4. Quality Assurance - Records of Quality Assurance activities required by Paragraph 209 of the IAEA regulations¹ shall be maintained and made available to the authorized officials for at least three years after the last shipment authorized by this certificate. Consignors and consignees in the United States exporting or importing shipments under this certificate shall satisfy the requirements of Subpart H of 10 CFR 71.
5. Expiration Date - This certificate expires November 1, 2005.

¹ "Safety Series No. 6, Regulations for the Safe Transport of Radioactive Materials, 1985 Edition, as amended 1990" , published by the International Atomic Energy Agency (IAEA), Vienna, Austria.

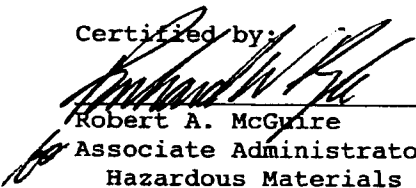
² Title 49, Code of Federal Regulations, Parts 100 - 199, United States of America.

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CERTIFICATE USA/0508/S, REVISION 1

This certificate is issued in accordance with paragraph 703 of the IAEA Regulations and Section 173.476 of Title 49 of the Code of Federal Regulations, in response to the petition and information dated November 2, 2000 submitted by Isotope Products Laboratories, Burbank, CA, and in consideration of other information on file in this Office.

Certified by:

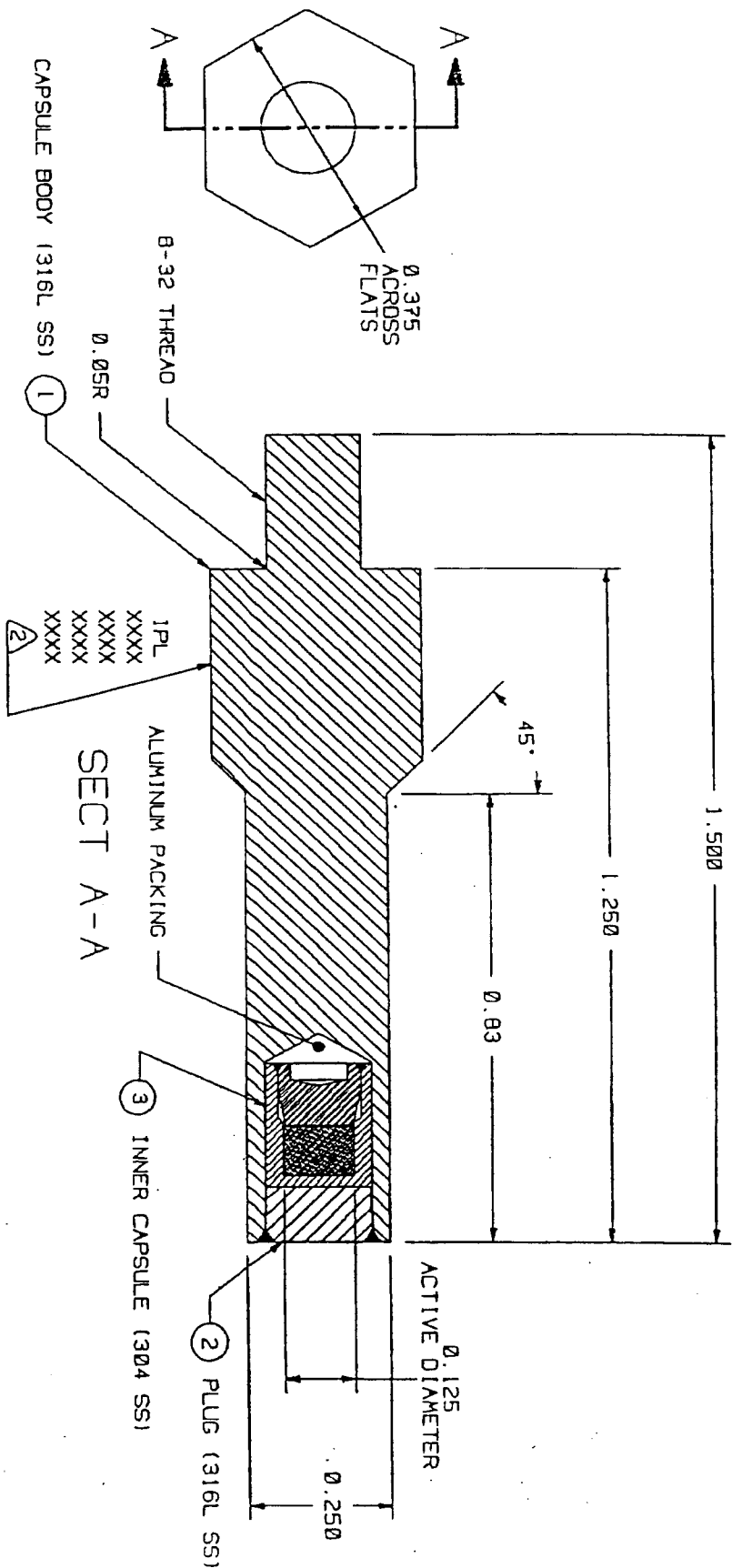

Robert A. McGuire

Associate Administrator for
Hazardous Materials Safety

NOV - 6 2000

(DATE)

Revision 1 - issued to extend the expiration date.



3. INDIVIDUALLY PACKAGE AND IDENTIFY PART NUMBER THEREON
- ② ENGRAVE CHARACTERS 0.060 HIGH x 0.003 DEEP MAX AS SHOWN: (BLACK FILL)

IP
A3906
NUCLIDE
ACTIVITY
SERIAL NUMBER

START SEQUENCE 10mCi D-001
20mCi E-001
55mCi F-001
100mCi G-001

ONCE SEQUENCE REACHES 999, BEGIN ALPHABETICAL SEQUENCING AFTER FIRST DIGIT - FOR EXAMPLE: D-001 THRU D-999 THEN DA-001 THRU DA-999

1. SEE PROCEDURE PM20-1.

NOTE: UNLESS OTHERWISE SPECIFIED

P/N: A3906 ASSEMBLY

ISOTOPE PRODUCTS LABORATORIES
BURBANK, CALIFORNIA 91504

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES

TOLERANCES ON
FRACTION DECIMAL ANGLE
1/64 ±.001 .015 .005 5°

DATE: 03/08/95 APPROVED: [Signature] DESIGNED: JMD/RLT

TITLE: Ca-137 SOURCE

SERIES: CUSTOM SOURCES (1290 SERIES)

SHEET 13 OF 5
DRAWING NUMBER 3906